



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2009
Code: 11331342
SAU: Poland School Department
School: Bruce M Whittier Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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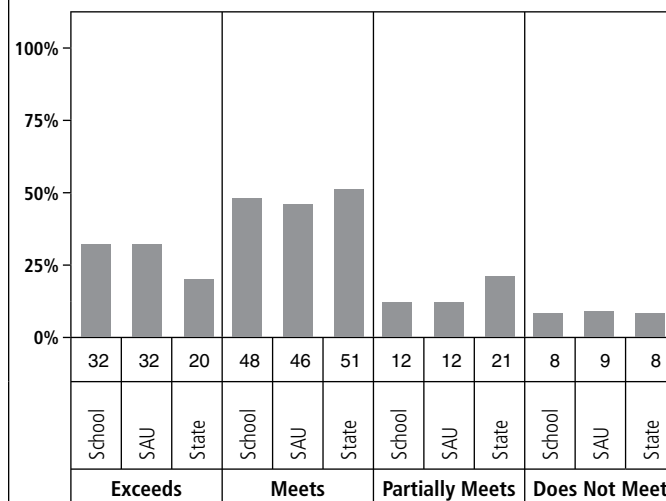
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: Poland School Department
School: Bruce M Whittier Middle School

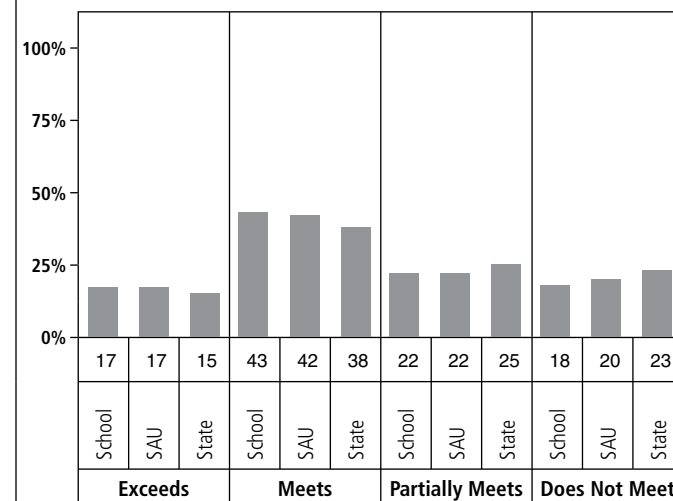
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	847	846	847
2007–2008	847	846	849
2008–2009	854	853	850
Cum. Avg.*	849	848	849
Mathematics			
2006–2007	837	836	842
2007–2008	836	835	841
2008–2009	846	845	843
Cum. Avg.*	840	839	842
Science			
2008–2009 **	849	848	846

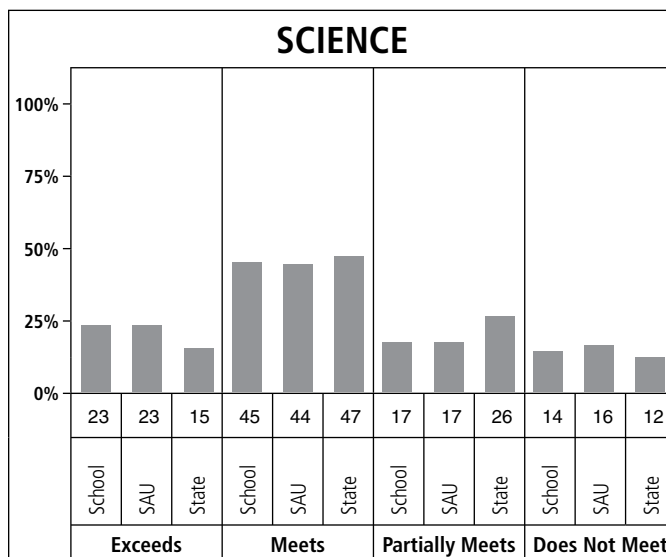
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

** Because science standards were reset in May 2009, no historical data are available

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
 Grade: 8
 SAU: Poland School Department
 School: Bruce M Whittier Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
	n		n		n		n		n		n		n		n		n		n		n		n	
	%		%		%		%		%		%		%		%		%		%		%		%	
Total number of students	67	100	67	100	14804	100	67	100	67	100	14659	99	67	100	67	100	14653	99	66	99	66	99	14626	99
Ethnicity African American/Black	0	0	0	0	377	3	0	0	0	0	366	97	0	0	0	0	371	98	0	0	0	0	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	1	1	1	1	238	2	1	100	1	100	232	97	1	100	1	100	234	98	1	100	1	100	234	98
Hispanic	0	0	0	0	192	1	0	0	0	0	188	98	0	0	0	0	191	100	0	0	0	0	190	99
Caucasian/White	66	99	66	99	13878	94	66	100	66	100	13756	99	66	100	66	100	13742	99	65	98	65	98	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	10	15	11	16	2489	17	10	100	11	100	2434	99	10	100	11	100	2424	98	10	100	11	100	2418	98
Current LEP	0	0	0	0	349	2	0	0	0	0	331	95	0	0	0	0	342	98	0	0	0	0	338	97
Economically disadvantaged	19	28	18	27	5460	37	19	100	18	100	5380	99	19	100	18	100	5377	99	18	95	17	94	5359	98
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n		n		n		n		n		n		n		n		n	
	%		%		%		%		%		%		%		%		%	
Participation without accommodations	50	75	50	75	12132	82	50	75	50	75	12124	82	49	73	49	73	12169	82
Identified disability (PET/IEP)	1	2	2	4	379	3	1	2	2	4	380	3	1	2	2	4	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	1	2	1	2	200	2	1	2	1	2	200	2	1	2	1	2	202	2
Participation with accommodations	15	22	15	22	2349	16	15	22	15	22	2347	16	15	22	15	22	2288	15
Identified disability (PET/IEP)	7	47	7	47	1877	80	7	47	7	47	1862	79	7	47	7	47	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	2	13	2	13	70	3	2	13	2	13	70	3	2	13	2	13	66	3
Other	6	40	6	40	292	12	6	40	6	40	297	13	6	40	6	40	280	12
Participation through alternate assessment (PAAP)	2	3	2	3	178	1	2	3	2	3	182	1	2	3	2	3	169	1
Identified disability (PET/IEP)	2	100	2	100	178	100	2	100	2	100	182	100	2	100	2	100	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
Non-participation – other	0	0	0	0	113	1	0	0	0	0	117	1	1	1	1	1	140	1

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 8
SAU: Poland School Department
School: Bruce M Whittier Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	8	13	8	13	2407	16
	2007-2008	15	25	15	24	3428	23
	2008-2009	21	32	21	32	2857	20
	Cum. Total*	44	23	44	23	8692	19
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	32	51	32	50	7494	49
	2007-2008	25	41	25	40	7179	48
	2008-2009	31	48	30	46	7431	51
	Cum. Total*	88	47	87	46	22104	49
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	19	30	19	30	3628	24
	2007-2008	12	20	12	19	2706	18
	2008-2009	8	12	8	12	2979	21
	Cum. Total*	39	21	39	20	9313	21
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	4	6	5	8	1810	12
	2007-2008	9	15	10	16	1611	11
	2008-2009	5	8	6	9	1214	8
	Cum. Total*	18	10	21	11	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	38.0	67.9	37.6	67.1	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	13.5	67.5	13.3	66.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	24.5	68.1	24.3	67.5	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Poland School Department
 School: Bruce M Whittier Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	65	21	32	31	48	8	12	5	8	854	65	32	46	12	9	853	14481	20	51	21	8	850
Ethnicity																						
African American/Black	0										0						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	1										1						231	28	43	19	10	851
Hispanic	0										0						186	17	48	23	12	847
Caucasian/White	64	20	31	31	48	8	13	5	8	853	64	31	47	13	9	853	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	0	0	3	38	5	63	827	9	0	0	33	67	826	2256	2	25	40	34	834
No	57	21	37	31	54	5	9	0	0	857	56	38	54	9	0	857	12225	23	56	17	4	853
Current LEP																						
Yes	0										0						324	5	34	36	26	838
No	65	21	32	31	48	8	12	5	8	854	65	32	46	12	9	853	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	18	4	22	6	33	5	28	3	17	846	17	24	29	29	18	846	5277	10	46	29	15	844
No	47	17	36	25	53	3	6	2	4	856	48	35	52	6	6	856	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	65	21	32	31	48	8	12	5	8	854	65	32	46	12	9	853	14476	20	51	21	8	850
Gender																						
Female	28	10	36	11	39	5	18	2	7	854	28	36	36	18	11	853	7074	25	51	18	6	852
Male	37	11	30	20	54	3	8	3	8	853	37	30	54	8	8	853	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	9	43	35	14	843
No	65	21	32	31	48	8	12	5	8	854	65	32	46	12	9	853	13624	20	52	20	8	850
Gifted/talented program																						
Yes	0										0						700	69	30	1	0	867
No	65	21	32	31	48	8	12	5	8	854	65	32	46	12	9	853	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Poland School Department
School: Bruce M Whittier Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	6	0	0	2	50	0	0	2	50	834	8	0	40	0	60	831	8	8	39	29	24	841
B. less than one hour	62	11	28	21	54	4	10	3	8	854	62	28	54	10	8	854	51	17	53	22	8	849
C. one to two hours	30	9	47	8	42	2	11	0	0	858	29	50	39	11	0	858	36	24	52	18	5	852
D. more than two hours	2	1	100	0	0	0	0	0	0	866	2	100	0	0	0	866	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	32	8	40	11	55	1	5	0	0	859	32	40	55	5	0	859	31	35	50	11	4	856
B. good	52	13	39	15	45	3	9	2	6	856	52	39	45	9	6	856	47	16	55	21	7	849
C. fair	13	0	0	5	63	1	13	2	25	841	13	0	50	13	38	837	18	5	47	33	15	842
D. poor	3	0	0	0	0	1	50	1	50	830	3	0	0	50	50	830	3	2	39	37	22	839
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	49	13	42	15	48	2	6	1	3	857	48	43	47	7	3	857	32	27	54	14	5	853
B. They match some of what I have learned.	44	8	29	15	54	3	11	2	7	854	44	29	54	11	7	854	52	18	53	22	8	850
C. They match just a little of what I have learned.	5	0	0	1	33	1	33	1	33	840	5	0	33	33	33	840	12	11	45	29	15	844
D. There is no match.	2	0	0	0	0	0	0	1	100	826	3	0	0	0	100	824	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	18	3	27	5	45	0	0	3	27	849	18	27	45	0	27	849	15	13	42	28	17	844
B. about the same as my regular schoolwork	55	12	35	18	53	3	9	1	3	857	55	35	50	9	6	856	64	19	53	20	7	850
C. easier than my regular schoolwork	27	6	35	8	47	2	12	1	6	853	27	35	47	12	6	853	22	25	52	16	6	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	8	0	0	2	40	1	20	2	40	837	10	0	33	17	50	834	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	44	8	30	13	48	4	15	2	7	852	43	31	46	15	8	852	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	48	13	45	16	55	0	0	0	0	861	48	45	55	0	0	861	40	30	53	13	4	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	27	5	29	8	47	2	12	2	12	850	26	31	44	13	13	850	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	66	14	34	22	54	4	10	1	2	857	68	33	52	10	5	856	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	6	2	50	1	25	0	0	1	25	850	6	50	25	0	25	850	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	25	9	56	6	38	1	6	0	0	860	25	56	38	6	0	860	19	26	53	15	6	853
B. 20 minutes to an hour	38	5	21	17	71	0	0	2	8	855	38	21	67	0	13	853	40	25	52	17	6	852
C. less than 20 minutes	10	3	50	2	33	1	17	0	0	856	10	50	33	17	0	856	15	18	51	21	10	849
D. I rarely read at home.	27	4	24	6	35	4	24	3	18	848	27	24	35	24	18	848	26	7	50	30	13	844
How do you feel about the following statement?																						
"My knowledge of reading will be useful to me as an adult."																						
A. strongly agree	50	11	35	17	55	3	10	0	0	858	50	35	55	10	0	858	42	27	51	15	6	853
B. agree	45	9	32	13	46	3	11	3	11	853	45	32	43	11	14	851	50	15	53	23	9	848
C. disagree	2	0	0	1	100	0	0	0	0	854	2	0	100	0	0	854	7	8	46	32	14	843
D. strongly disagree	3	0	0	0	0	0	0	2	100	818	3	0	0	0	100	818	2	6	39	35	21	840
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	100	0	0	0	0	0	0	1	100	810	100	0	0	0	100	816						

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 8
SAU: Poland School Department
School: Bruce M Whittier Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	5	8	5	8	1952	13
	2007-2008	2	3	2	3	1657	11
	2008-2009	11	17	11	17	2116	15
	Cum. Total*	18	10	18	9	5725	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	20	32	20	31	5870	38
	2007-2008	19	31	19	31	5956	40
	2008-2009	28	43	27	42	5443	38
	Cum. Total*	67	35	66	35	17269	39
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	17	27	17	27	3982	26
	2007-2008	19	31	19	31	3729	25
	2008-2009	14	22	14	22	3556	25
	Cum. Total*	50	26	50	26	11267	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	21	33	22	34	3534	23
	2007-2008	21	34	22	35	3579	24
	2008-2009	12	18	13	20	3356	23
	Cum. Total*	54	29	57	30	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	31.2	55.7	30.7	54.8	28.6	51.1
A. Number	8	14	4.4	55.0	4.3	53.8	3.7	46.3
B. Data	16	29	9.2	57.5	9.1	56.9	8.9	55.6
C. Geometry	12	21	6.5	54.2	6.5	54.2	5.0	41.7
D. Algebra	20	36	11.1	55.5	10.9	54.5	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Poland School Department
 School: Bruce M Whittier Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	65	11	17	28	43	14	22	12	18	846	65	17	42	22	20	845	14471	15	38	25	23	843
Ethnicity																						
African American/Black	0										0						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	1										1						233	27	33	20	21	847
Hispanic	0										0						190	8	31	26	34	836
Caucasian/White	64	11	17	27	42	14	22	12	19	846	64	17	41	22	20	845	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	0	0	0	0	8	100	809	9	0	0	0	100	808	2242	2	12	22	63	824
No	57	11	19	28	49	14	25	4	7	851	56	20	48	25	7	851	12229	17	42	25	16	846
Current LEP																						
Yes	0										0						336	6	18	26	51	829
No	65	11	17	28	43	14	22	12	18	846	65	17	42	22	20	845	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	18	2	11	4	22	6	33	6	33	837	17	12	18	35	35	836	5270	6	30	28	36	835
No	47	9	19	24	51	8	17	6	13	850	48	19	50	17	15	849	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	65	11	17	28	43	14	22	12	18	846	65	17	42	22	20	845	14466	15	38	25	23	843
Gender																						
Female	28	5	18	11	39	7	25	5	18	845	28	18	36	25	21	844	7070	15	39	25	22	843
Male	37	6	16	17	46	7	19	7	19	847	37	16	46	19	19	847	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						857	5	25	33	37	835
No	65	11	17	28	43	14	22	12	18	846	65	17	42	22	20	845	13614	15	38	24	22	843
Gifted/talented program																						
Yes	0										0						700	68	27	3	1	866
No	65	11	17	28	43	14	22	12	18	846	65	17	42	22	20	845	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Poland School Department
School: Bruce M Whittier Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	6 62 30 2	1 3 6 1	25 8 32 100	0 20 8 0	0 51 42 0	0 10 3 0	0 26 16 0	3 6 2 0	75 15 11 0	826 846 852 866	8 62 29 2	20 8 33 100	0 51 39 0	0 26 17 0	80 15 11 0	821 846 852 866	8 51 36 5	8 12 19 19	24 38 40 36	24 26 23 22	44 23 19 23	833 842 845 844
Which of the following best describes how you rate yourself as a student in mathematics? A. very good B. good C. fair D. poor	32 53 13 2	9 1 0 0	47 3 0 0	8 18 1 0	42 56 13 0	1 8 3 0	5 25 38 0	1 5 4 1	5 16 50 100	859 844 832 810	32 52 15 2	47 3 0 0	42 55 11 0	5 26 33 0	5 16 56 100	859 844 828 810	28 45 21 5	33 11 3 2	41 43 27 14	15 25 35 30	11 21 35 54	852 842 834 828
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics? A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	35 60 3 2	6 5 0 0	27 13 0 0	10 18 0 0	45 47 0 0	3 8 2 0	14 21 100 0	3 7 0 1	14 18 0 100	850 846 836 826	33 62 3 2	29 13 0 0	43 46 0 0	14 21 100 0	14 21 0 100	850 845 836 826	28 52 16 4	23 13 8 5	41 40 28 15	21 25 30 22	15 21 34 58	848 843 836 826
How difficult was the mathematics part of this test? A. more difficult than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	25 63 11	2 7 2	13 18 29	4 21 3	25 53 43	4 9 0	25 23 0	6 3 2	38 8 29	837 851 845	25 63 11	13 18 29	25 50 43	25 23 0	38 10 29	837 850 845	32 52 16	6 13 39	34 41 35	29 25 13	32 20 13	837 843 853
How hard did you try on the mathematics part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	27 68 5	2 9 0	12 21 0	8 20 0	47 47 0	4 7 2	24 16 67	3 7 1	18 16 33	845 849 827	29 67 5	11 21 0	44 45 0	22 17 67	22 17 33	843 849 827	42 52 7	12 17 12	38 39 27	26 23 27	25 20 35	841 845 837
How often do you use calculators in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	21 56 19 5	2 6 3 0	15 17 25 0	5 20 2 1	38 57 17 33	4 4 4 1	31 11 33 33	2 5 3 1	15 14 25 33	845 849 845 833	19 56 19 6	17 17 25 0	33 57 17 25	33 11 33 25	17 14 25 50	845 849 845 825	34 35 18 13	18 14 12 9	40 38 37 32	22 26 27 25	20 21 24 34	845 843 841 837
How often do you use laptops in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	6 13 51 30	0 0 9 2	0 0 28 11	0 4 12 12	0 50 38 63	0 2 9 2	0 25 28 11	4 2 2 3	100 25 6 16	805 841 851 851	8 13 49 30	0 0 29 11	0 50 35 63	0 25 29 11	100 25 6 16	804 841 851 851	9 17 28 46	13 11 15 16	38 37 40 36	23 26 25 24	26 26 20 23	841 841 844 843
How do you feel about the following statement? “My knowledge of mathematics will be useful to me as an adult.” A. strongly agree B. agree C. disagree D. strongly disagree	59 27 8 6	9 2 0 0	24 12 0 0	20 5 3 0	54 29 60 0	6 4 0 3	16 24 0 75	2 6 2 1	5 35 40 25	853 839 838 830	57 27 10 6	25 12 0 0	53 29 50 0	17 24 0 75	6 35 50 25	854 839 832 830	52 39 6 3	19 11 7 4	41 35 28 25	22 27 26 28	18 27 39 43	846 840 835 832
Optional school/SAU question A. B. C. D.	0 0 0 100	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 3 0	0 0 75 0	1 1 1 1	100 100 100 100	800 800 800 800	0 0 0 100	0 0 0 0	0 0 0 0	0 0 0 0	100 100 100 100	800 800 800 800						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number

SCIENCE RESULTS

Test Date: March 2009
Grade: 8
SAU: Poland School Department
School: Bruce M Whittier Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	15	23	15	23	2155	15
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	29	45	28	44	6687	47
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	11	17	11	17	3672	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	9	14	10	16	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	56	100	33.8	60.4	33.4	59.6	32.0	57.1
D. The Physical Setting	31	55	18.5	59.7	18.2	58.7	17.1	55.2
D1/D2 Earth/Space	17	30	9.7	57.1	9.6	56.5	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	14	25	8.7	62.1	8.6	61.4	7.7	55.0
E. The Living Environment	25	45	15.4	61.6	15.2	60.8	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: Poland School Department
 School: Bruce M Whittier Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	64	15	23	29	45	11	17	9	14	849	64	23	44	17	16	848	14263	15	47	26	12	846
Ethnicity																						
African American/Black	0										0						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	1										1						230	20	44	23	13	848
Hispanic	0										0						184	9	45	29	16	842
Caucasian/White	63	15	24	28	44	11	17	9	14	849	63	24	43	17	16	848	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	8	0	0	0	0	1	13	7	88	817	9	0	0	11	89	815	2221	3	22	36	38	832
No	56	15	27	29	52	10	18	2	4	854	55	27	51	18	4	854	12042	17	51	24	7	848
Current LEP																						
Yes	0										0						331	4	20	39	37	832
No	64	15	23	29	45	11	17	9	14	849	64	23	44	17	16	848	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	17	2	12	5	29	4	24	6	35	838	16	13	25	25	38	838	5184	6	40	33	21	840
No	47	13	28	24	51	7	15	3	6	853	48	27	50	15	8	852	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	64	15	23	29	45	11	17	9	14	849	64	23	44	17	16	848	14258	15	47	26	12	846
Gender																						
Female	27	5	19	15	56	4	15	3	11	847	27	19	52	15	15	846	6953	14	47	28	11	846
Male	37	10	27	14	38	7	19	6	16	850	37	27	38	19	16	850	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						828	5	35	40	20	839
No	64	15	23	29	45	11	17	9	14	849	64	23	44	17	16	848	13435	16	48	25	12	846
Gifted/talented program																						
Yes	0										0						699	65	34	2	0	865
No	64	15	23	29	45	11	17	9	14	849	64	23	44	17	16	848	13564	13	48	27	13	845

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NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: Poland School Department
School: Bruce M Whittier Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	6	0	0	1	25	2	50	1	25	831	8	0	20	40	40	825	8	8	34	28	30	837
B. less than one hour	62	10	26	16	41	7	18	6	15	849	62	26	41	18	15	849	51	14	48	27	11	846
C. one to two hours	30	4	21	12	63	2	11	1	5	852	29	22	61	11	6	853	36	19	48	24	9	848
D. more than two hours	2	1	100	0	0	0	0	0	0	876	2	100	0	0	0	876	5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	29	8	44	8	44	1	6	1	6	859	30	42	42	5	11	856	23	27	47	17	8	851
B. good	63	7	18	19	48	8	20	6	15	847	63	18	48	20	15	847	53	15	50	26	10	847
C. fair	6	0	0	2	50	1	25	1	25	839	5	0	33	33	33	835	20	4	43	35	18	840
D. poor	2	0	0	0	0	1	100	0	0	828	2	0	0	100	0	828	4	4	27	34	35	834
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	37	3	13	15	65	4	17	1	4	852	35	14	64	18	5	852	26	20	49	23	9	849
B. They match some of what I have learned.	57	12	33	13	36	6	17	5	14	850	59	32	35	16	16	849	51	14	48	26	11	846
C. They match just a little of what I have learned.	3	0	0	1	50	0	0	1	50	839	3	0	50	0	50	839	18	13	44	28	15	844
D. There is no match.	3	0	0	0	0	1	50	1	50	814	3	0	0	50	50	814	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	21	4	31	4	31	2	15	3	23	851	21	31	23	15	31	847	32	13	45	28	14	844
B. about the same as my regular schoolwork	60	9	24	18	47	7	18	4	11	850	60	24	47	18	11	850	56	15	49	25	11	847
C. easier than my regular schoolwork	19	2	17	7	58	2	17	1	8	847	19	17	58	17	8	847	11	21	43	22	13	847
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	33	3	14	12	57	2	10	4	19	847	35	14	55	9	23	845	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	62	12	31	15	38	9	23	3	8	852	60	32	37	24	8	852	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	5	0	0	2	67	0	0	1	33	837	5	0	67	0	33	837	6	8	36	29	26	839
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	25	3	20	6	40	5	33	1	7	850	25	20	40	33	7	850	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	7	3	75	0	0	0	0	1	25	857	8	60	0	0	40	846	23	17	49	22	12	847
C. the course(s) described in B, plus physics	30	6	33	8	44	3	17	1	6	856	30	33	44	17	6	856	21	31	44	17	7	852
D. a life science and physical science class	39	3	13	14	58	3	13	4	17	845	38	13	57	13	17	844	30	7	46	32	14	842
How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."																						
A. strongly agree	37	8	35	12	52	2	9	1	4	858	38	33	50	8	8	855	27	23	47	20	10	849
B. agree	37	5	22	11	48	3	13	4	17	847	37	22	48	13	17	847	37	14	47	27	12	846
C. disagree	25	2	13	6	38	5	31	3	19	843	24	13	33	33	20	842	25	11	48	29	12	845
D. strongly disagree	2	0	0	0	0	1	100	0	0	828	2	0	0	100	0	828	11	9	44	31	17	842
How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."																						
A. strongly agree	52	10	30	18	55	2	6	3	9	854	54	29	53	6	12	852	31	22	46	22	10	849
B. agree	40	3	12	11	44	6	24	5	20	844	38	13	42	25	21	844	50	14	49	26	11	846
C. disagree	6	2	50	0	0	2	50	0	0	850	6	50	0	50	0	850	14	9	45	31	15	843
D. strongly disagree	2	0	0	0	0	1	100	0	0	828	2	0	0	100	0	828	5	3	38	34	25	837
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	100	0	0	0	0	0	0	1	100	800	100	0	0	0	100	800						

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N = Number